

Avifaunal Diversity of Gudavi Bird Sanctuary, Sorab, Shimoga, Karnataka

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Received: 21.01.2009, Accepted: 09.04.2009

Abstract

Two hundred and seventeen species of birds belonging to 48 families were recorded in the three year study at the Gudavi sanctuary, Sorab, Shimoga district, Karnataka. Most of the families were represented by less than thirteen species except for Muscicapidae (35 species). These include 160 residents, 46 resident migratory and 11 migratory birds. 54 species of water dependent birds were recorded from the wetlands of the sanctuary. Among the birds recorded in this study, about 45.62% are insectivores and other dominating types include piscivores (12.44%), omnivores (11.98%), frugivores (9.67%), grainivores (8.75%), carnivores (7.83%) and nectarivores (3.68%) respectively.

Key words: Avifauna, Biodiversity, Gudavi Bird Sanctuary, Sorab

Introduction

The birds have always fascinated man for their exquisite colouration. They have their functional role in the ecosystem as potential pollinators and scavengers, indeed rightly called bioindicators. India being a megadiversity centre, harbours more than 1200 species of birds which amounts to 13% of the bird species of the world (Ali and Ripley, 1983). Recently with the increased consciousness for biodiversity census and monitoring, many new species were added to the list.

The present study is focused not only on preparing the checklist of birds, but also to find out their occurrence status as well as to create awareness for their conservation. In addition, the study aims at providing the basic information of the avifauna for further studies related to biodiversity of wildlife sanctuary. This is the only the large birds area in Shimoga district, where more than

12,000 wetland birds congregate every year. Hence detailed study on avifauna of Gudavi bird sanctuary (GBS) is undertaken.

Methodology

Study area

Gudavi bird sanctuary is one of the five bird sanctuaries of Karnataka, with notification, AHFF-262-fwl 86 on 10:07:1989 (Figure 1). It is located at 13 km away from Sorab city and 0.5 km away from Gudavi village. This sanctuary occupies the water-spread area of about 33 ha, in rainy season, out of the total 73.68 ha. Remaining area is moist deciduous forest interspread with grassy patches. The sanctuary lies between Lat.14°25'59"-14°26'41"N and Long. 75°6'43"-75°25'28"E.

There are two wetlands adjoining each in the sanctuary (Vaddekere and Gudavi pond). The rainfed water from agriculture field enters into Vaddekere and the outflow

of water from Vaddekere enters into Gudavi pond, from their in is used for irrigation at down stream croplands. The Vaddekere and Gudavi pond are separated by a common bund. All breeding birds breed at Vaddekere during breeding season and roost on trees of Gudavi pond.

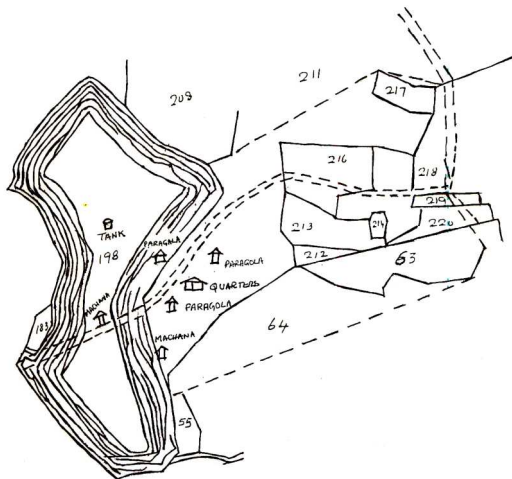


Figure 1. Gudavi Bird Sanctuary

Vegetation

The area surrounding the wetland is covered with dense moist deciduous forest, and due to intensive protection efforts by the Forest Department, the area has maintained greenery. Apart from this, Gudavi sanctuary embodies diversified vegetation that favors the migratory birds to take shelter and provides the space to construct their nests for breeding. The vegetation water spread area of GBS comprised of marshy plants and microphytes. The trees and shrubs partially submerged and provide suitable nesting sites for birds. These nesting sites also provide the highest security from the predators.

Methods

The checklist of birds at the sanctuary was made by sighting the birds with 8 X 50 binoculars. Appropriate field guides (Ali, 1996; Sonobe and Usui, 1993) were used for the purpose. Based on regularly updated checklist the detailed census of birds was conducted by direct count method (Colin *et al.*, 1993). The study was conducted at monthly intervals from 2001 to 2003 by scanning the sanctuary by walking. The morning hours, 0630 to 1000 am and evening 0330 to 0700pm, were utilized for the purpose. The monthly totals of individual species and the total population was enumerated from three vantage points on the countour of each pond.

Results and discussion

The present study on the diversity of birds inhabiting the Vaddekere and Gudavi pond suggests that the physico-chemical and biological parameters of their habitat are the major regulating forces of their population density (Dayananda, 2005). The avifauna of GBS belonged to 16 orders. Out of these members of Ciconiformes, Paliconiformes and Passeriformes contributed maximum to the avifauna of the ponds throughout the year. The members of order Anseriformes and Charadriformes are migratory species who utilize the ponds for foraging during winter months. However, the local migrants are widespread throughout the year and to adjacent wetlands, moving to and fro utilizing the best resources available to them. Raghunatha *et al.* (1992) recorded 191 bird species during his preliminary report. Presently the total number of species recorded in this sanctuary is 218.

The checklist of birds sighted at the sanctuary during the three-year study, the residential status and abundance is provided in Table 1. Of the 218 species of birds

sighted at the sanctuary, a large number of terrestrial birds (163 species) constituted 75.11% whereas 24.88% was constituted by a relatively small number of aquatic birds consisting of 54 species. In terms of species strength of families represented Muscicapidae was the largest with 35 species. In the present study, the bird species are classified into six groups based on their food preference. Among these bird species, 99 were Insectivorous, 27 piscivorous, 26 omnivorous, 21 frugivorous, 20 grainivorous, 17 carnivorous and 8 nectarivorous birds respectively.

Acknowledgements

We are thankful to Mr. G.A.N. Karkikar, Deputy Conservator of Forest, Wild Life Wing, Shimoga and Mr. Ramappa, Forest watcher, Gudavi Bird Sanctuary for their necessary guidance and help during the study period.

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Table 1. A systematic list of birds with their status and food habit in Gudavi Bird Sanctuary during the study period (2001, 2002 and 2003)

SN	Syn No	Common name	Scientific Name	RS ¹	AS ²	FH ³
1. Podicipedidae						
1.	5	Little Grebe	<i>Tachybaptus ruficollis</i>	R	V Com	P
2. Phalacrocoracidae						
2.	26	Great Cormorant	<i>Phalacrocorax carbo</i>	RM	Com	P
3.	27	Indian Shag	<i>Phalacrocorax fuscicollis</i>	RM	Com	P
4.	28	Little Cormorant	<i>Phalacrocorax niger</i>	RM	L Com	P
3. Anhingidae						
5.	29	Darter or Snake bird	<i>Anhinga melanogaster</i>	RM	L Com	P
4. Ardeidae						
6.	36	Grey Heron	<i>Ardea cinerea</i>	RM	L Com	P
7.	37	Purple Heron	<i>Ardea purpurea</i>	RM	L Com	P
8.	38	Little Green Heron	<i>Butorides striatus</i>	RM	Ra	P
9.	42	Pond Heron	<i>Ardeola grayii</i>	R	L Com	P
10.	44	Cattle Egret	<i>Bubulcus ibis</i>	RM	Com	P

11.	46	Large Egret	<i>Casmerodius albus</i>	RM	Com	P
12.	47	Smaller Egret	<i>Mesophoyx intermedia</i>	RM	L Com	P
13.	49	Little Egret	<i>Egretta garzetta</i>	R	L Com	P
14.	52	Night Heron	<i>Nycticorax nycticorax</i>	R	L Com	P
15.	56	Chestnut Bittern	<i>Ixobrychus cinnamomeus</i>	RM	L Com	P
5. Ciconiidae						
16.	60	Painted Stork	<i>Mycteria leucocephala</i>	RM	L Com	P
17.	61	Openbill Stork	<i>Anastomus oscitans</i>	R	L Com	P
6. Threskiornithidae						
18.	69	Black-headed Ibis	<i>Threskiornis melanocephalus</i>	R	L Com	P
19.	70	Black Ibis	<i>Pseudibis papillosa</i>	R	Un Com	P
20.	71	Glossy Ibis	<i>Plegadis falcinellus</i>	RM	Un Com	P
21.	72	Spoonbill	<i>Platalea leucorodia</i>	RM	L Com	P
7. Anatidae						
22.	88	Lesser whistling Teal	<i>Dendrocygna javanica</i>	R	L Com	O
23.	93	Pintail	<i>Anas acuta</i>	M	Com	O
24.	94	Common Teal	<i>Anas crecca</i>	RM	V Com	O
25.	97	Spot-billed Duck	<i>Anas poecilorhyncha</i>	RM	Com	O
26.	104	Garganey	<i>Anas querquedula</i>	M	V Com	O
27.	105	Shoveller	<i>Anas clypeata</i>	M	Com	O
28.	114	Cotton Teal	<i>Nettapus coromandelianus</i>	R	L Com	O
29.	115	Nakta or Comb Duck	<i>Sarkidiornis melanotos</i>	R	Un Com	O
8. Accipitridae						
30.	130	Crested Honey-Buzzard	<i>Pernis ptilorhynchus</i>	R	L Com	C
31.	133	Common Pariahkite	<i>Milvus migrans</i>	R	Com	C
32.	135	Brahminy kite	<i>Haliastur indus</i>	R	L Com	C
33.	139	Shikra	<i>Accipiter badius</i>	RM	Com	C
34.	147	Sparrow Hawk	<i>Accipiter nisus</i>	R	L Com	C
35.	151	Besra Sparrow Hawk	<i>Accipiter virgatus</i>	R	L Com	C
36.	168	Tawny Eagle	<i>Aquila rapax</i>	RM	L Com	C
37.	170	Greater spotted Eagle	<i>Aquila clanga</i>	RM	Ra	C
38.	174	Ring tailed fishing Eagle	<i>Haliaeetus leucoryphus</i>	M	Ra	C
39.	190	Pale Harrier	<i>Circus macrourus</i>	RM	L Com	C
40.	192	Paid Harrier	<i>Circus melanoleucos</i>	M	Ra	C
41.	193	Marsh Harrier	<i>Circus aeruginosus</i>	R	L Com	C
42.	222	Common Kestrel	<i>Falco tinnunculus</i>	RM	L Com	C
9. Phasianidae						
43.	244	Grey Partridge	<i>Francolinus pondicerianus</i>	R	Com	O
44.	250	Jungle bush Quill	<i>Perdica asiatica</i>	R	Com	O
45.	275	Red Spurfowl	<i>Galloperdix spadicea</i>	R	L Com	F,G,I
46.	301	Grey Jungle fowl	<i>Gallus sonneratii</i>	R	Com	G,I
47.	311	Common Peafowl	<i>Pavo cristatus</i>	R	Com	O

10. Turnicidae						
48.	318	Common Bustard Quail	<i>Turnix suscitator</i>	R	L Com	O
11. Rallidae						
49.	329	Indian Blue-breasted Banded Rail	<i>Rallus striatus</i>	RM	Un Com	O
50.	332	Slaty-legged Banded Crake	<i>Rallina eurizonoides</i>	R	Un Com	I
51.	342	Brown Crake	<i>Amauromis akool</i>	R	Com	I
52.	343	White breasted Water hen	<i>Amauromis phoenicurus</i>	R	Com	I,G
53.	346	Water Cock	<i>Gallixrex cinerea</i>	RM	L Com	I
54.	347	Indian Moorhen	<i>Gallinula chloropus</i>	R	Com	O
55.	348	Purple Moorhen	<i>Porphyrio porphyrio</i>	RM	L Com	O
56.	350	Coot	<i>Fulica atra</i>	R	V Com	O
12. Jacanidae						
57.	358	Pheasant tailed Jacana	<i>Hydrophasianus chirurgus</i>	R	Un Com	I,G
58.	359	Bronze winged Jacana	<i>Metopidicus indicus</i>	R	L Com	I,G
13. Charadriidae						
59.	366	Red-wattled Lapwing	<i>Vanellus indicus</i>	R	Com	I
60.	370	Yellow-wattled Lapwing	<i>Vanellus malabaricus</i>	M	L Com	I
61.	371	Grey Plover	<i>Pluvialis squatarola</i>	M	Un Com	I
62.	373	Golden Plover	<i>Pluvialis dominica</i>	RM	Va	I
63.	380	Little ringed Plover	<i>Charadrius dubius</i>	M	Com	I
64.	395	Marsh Sandpiper	<i>Tringa stagnatilis</i>	M	L Com	I
65.	398	Spotted Sandpiper	<i>Tringa glareola</i>	RM	L Com	I
14. Scolopacidae						
66.	409	Common or Fantail Snipe	<i>Gallinago gallinago</i>	R	Com	I
15. Recurvirostridae						
67.	430	Black-winged Stilt	<i>Himantopus himantopus</i>	R	Com	I
16. Laridae						
68.	463	Indian River Tern	<i>Sterna aurantia</i>	RM	L Com	P
69.	464	Common Tern	<i>Sterna hirundo</i>	R	L Com	P
17. Culumbidae						
70.	496	Grey fronted Green Pigeon	<i>Treron pompadora</i>	R	L Com	G,F
71.	503	Common Green Pigeon	<i>Treron phoenicoptera</i>	R	Com	G,F
72.	510	Green Imperial Pigeon	<i>Ducula badia</i>	R	L Com	G,F
73.	516	Blue Rock Pigeon	<i>Columba livia</i>	R	V Com	G,F
74.	537	Spotted Dove	<i>Streptopelia chinensis</i>	R	V Com	G,F
18. Psittacidae						
75.	550	Rose ringed Parakeet	<i>Psittacula krameri</i>	R	V Com	F
76.	558	Blossom headed Parakeet	<i>Psittacula cyanocephala</i>	RM	L Com	F
77.	566	Lorikeet	<i>Loriculus vernalis</i>	RM	L Com	F
19. Cuculidae						
78.	571	Pied crested Cuckoo	<i>Clamator jacobinus</i>	R	L Com	F,I
79.	573	Common hawk Cuckoo	<i>Cuculus varius</i>	R	L Com	F,I
80.	576	Indian Cuckoo	<i>Cuculus micropterus</i>	R	L Com	F,I

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81.	590	Koel	<i>Eudynamys scolopacea</i>	R	V Com	F,I
82.	593	Large Greenbilled Malkoha	<i>Rhopodytes tristis</i>	R	L Com	F,I
83.	595	Small Greenbilled Malkoha	<i>Rhopodytes viridirostris</i>	R	L Com	F,I
84.	600	Coucal or Crow-Pheasant	<i>Centropus sinensis</i>	R	V Com	I
85.	605	Lesser Coucal	<i>Centropus bengalensis</i>	R	V Com	I
20. Strigidae						
86.	636	Barred Jungle Owlet	<i>Glaucidium radiatum</i>	R	L Com	C
87.	652	Spotted Owlet	<i>Athene brama</i>	R	Com	C
88.	657	Mottled wood Owl	<i>Strix ocellata</i>	R	L Com	C
89.	659	Brown wood Owl	<i>Strix leptogrammica</i>	RM	L Com	C
21. Apodidae						
90.	685	Indian edible nest Swiftlet	<i>Collocalia unicolor</i>	R	Com	I
91.	703	House Swift	<i>Apus affinis</i>	RM	Com	I
22. Alcedinidae						
92.	719	Pied Kingfisher	<i>Ceryle rudis</i>	R	Com	P
93.	722	Small blue Kingfisher	<i>Alcedo atthis</i>	R	Com	P
94.	730	Stork-billed Kingfisher	<i>Pelargopsis capensis</i>	R	L Com	P
95.	735	White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	R	Com	P
23. Meropidae						
96.	744	Chestnut headed Bee-eater	<i>Merops leschenaultia</i>	RM	L Com	I
97.	750	Small green Bee-eater	<i>Merops orientalis</i>	R	L Com	I
98.	753	Blue bearded Bee-eater	<i>Nyctyornis athertoni</i>	R	L Com	I
24. Coraciidae						
99.	755	Roller or Blue jay	<i>Coracias benghalensis</i>	R	Com	I
25. Upupidae						
100.	765	Hoopoe	<i>Upupa epops</i>	R	V Com	I
26. Bucerotidae						
101.	767	Common grey Hornbill	<i>Tockus birostris</i>	R	Com	F
102.	768	Malabar Grey Hornbill	<i>Tockus griseus</i>	R	Com	F
103.	775	Malabar pied Hornbill	<i>Anthraceroceros coronatus</i>	R	Com	F
27. Megalaimidae						
104.	782	Large green Barbet	<i>Megalaima zeylanica</i>	R	Com	F
105.	783	Lineated Barbet	<i>Megalaima lineate</i>	R	L Com	F
106.	785	Small green Barbet	<i>Megalaima viridis</i>	R	Com	F
107.	790	Crimson throated Barbet	<i>Megalaima rubricapilla</i>	R	Com	F
108.	792	Crimson breasted Barbet	<i>Megalaima haemacephala</i>	R	Com	F
28. Picidae						
109.	804	Rufous Woodpecker	<i>Micropternus brachyurus</i>	R	L Com	I
110.	819	Lesser golden backed Woodpecker	<i>Dinopium benghalense</i>	R	L Com	I
111.	830	Great black Woodpecker	<i>Dryocopus javensis</i>	R	L Com	I
112.	847	Yellow fronted pied Woodpecker	<i>Picoides mahrattensis</i>	R	L Com	I
113.	851	Pigmy Woodpecker	<i>Picoides nanus</i>	R	L Com	I

29. Pittidae						
114.	867	Indian Pitta	<i>Pitta brachyura</i>	R	Com	I
30. Alaudidae						
115.	873	Bush Lark	<i>Mirafra assamica</i>	R	Com	I
116.	877	Red winged Bush-Lark	<i>Mirafra erythroptera</i>	R	L Com	I
117.	878	Black bellied Finch-Lark	<i>Eremopterix grisea</i>	RM	L Com	I
118.	882	Rufous tailed Finch-Lark	<i>Ammomanes phoenicurus</i>	R	L Com	I
119.	901	Crested Lark	<i>Galerida cristata</i>	R	L Com	I
120.	902	Sykes's Crested Lark	<i>Galerida deva</i>	RM	L Com	I
31. Hirundinidae						
121.	916	Swallow	<i>Hirundo rustica</i>	RM	L Com	I
122.	921	Wire tailed Swallow	<i>Hirundo smithii</i>	RM	L Com	I
123.	922	Indian cliff Swallow	<i>Hirundo fluvicola</i>	R	L Com	I
32. Laniidae						
124.	946	Rufous backed Shrike	<i>Lanius schach</i>	R	L Com	I
33. Oriolidae						
125.	952	Golden Oriole	<i>Oriolus oriolus</i>	RM	Com	O
126.	954	Black naped Oriole	<i>Oriolus chinensis</i>	R	Com	O
127.	958	Black headed Oriole	<i>Oriolus xanthomus</i>	R	Com	O
34. Dicruidae						
128.	963	King Crow or Black Drongo	<i>Dicrurus adsimilis</i>	R	Com	I
129.	965	Grey or Ashy Drongo	<i>Dicrurus leucophaeus</i>	R	Com	I
130.	977	Racket tailed Drongo	<i>Dicrurus paradiseus</i>	R	Com	I
35. Sturnidae						
131.	994	Brahminy Myna	<i>Sturnus pagodarum</i>	R	Com	O
132.	1006	Indian Myna	<i>Acridotheres tristis</i>	R	Com	O
133.	1009	Jungle Myna	<i>Acridotheres fuscus</i>	R	Com	O
36. Corvidae						
134.	1032	Tree pie	<i>Dendrocitta vagabunda</i>	R	Com	O
135.	1036	White bellied Treepie	<i>Dendrocitta leucogastra</i>	R	Com	O
136.	1049	House Crow	<i>Corvus splendens</i>	R	V Com	O
137.	1054	Jungle Crow	<i>Corvus macrorhynchos</i>	R	V Com	O
37. Campephagidae						
138.	1065	Pied Flycatcher-Shrike	<i>Hemipus picatus</i>	R	Com	I
139.	1068	Large Wood Shrike	<i>Tephrodornis gularis</i>	R	Com	I
140.	1070	Common Wood Shrike	<i>Tephrodornis pandicarianus</i>	R	V Com	I
141.	1078	Black headed cuckoo Shrike	<i>Coracina melanoptera</i>	R	Com	I
142.	1081	Scarlet Minivet	<i>Pericrocotus flammeus</i>	R	Un Com	I
143.	1085	Long tailed Minivet	<i>Pericrocotus ethologus</i>	R	Un Com	I
144.	1093	Small Minivet	<i>Pericrocotus cinnamomeus</i>	R	Com	I
145.	1096	White bellied Minivet	<i>Pericrocotus erythropygius</i>	R	Com	I
38. Irenidae						

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146.	1098	Common Iora	<i>Aegithina tiphia</i>	R	V Com	I
147.	1102	Marshall's Iora	<i>Aegithina nigrolutea</i>	R	Com	I
148.	1103	Gold fronted Chloropsis	<i>Chloropsis aurifrons</i>	R	Com	I
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39. Pycnonotidae						
149.	1120	Red whiskered Bulbul	<i>Pycnonotus jocosus</i>	R	V Com	F
150.	1125	White cheeked Bulbul	<i>Pycnonotus leucogenys</i>	R	Com	F
151.	1128	Red vented Bulbul	<i>Pycnonotus cafer</i>	R	V Com	F
152.	1148	Black Bulbul	<i>Hypsipetes madagascariensis</i>	R	Com	F
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40. Muscicapidae						
Sub Family :Timalinae						
153.	1154	Spotted Babbler	<i>Pellorneum ruficeps</i>	R	Com	I
154.	1173	Slaty headed scimitar Babbler	<i>Pomatorhinus horsfieldi</i>	R	Com	I
155.	1254	Common Babbler	<i>Turdoides caudatus</i>	R	V Com	I
156.	1258	Large grey Babbler	<i>Turdoides malcolmi</i>	R	V Com	I
157.	1265	Jungle Babbler	<i>Turdoides striatus</i>	R	V Com	I
158.	1267	White headed Babbler	<i>Turdoides affinis</i>	R	Com	I
159.	1287	Wynaad laughing Thrush	<i>Garrulax delesserti</i>	R	Un Com	I
160.	1309	Jerdon's laughing Thrush	<i>Garrulax jerdoni</i>	R	Un Com	I
161.	1347	White headed shrike Babbler	<i>Gampsorhynchus rufulus</i>	R	Un Com	I
162.	1396	Black capped Sibia	<i>Heterophasia capistrata</i>	R	Com	I
Sub Family: Muscicapinae						
163.	1427	Black and Orange Flycatcher	<i>Muscicapa nigrorufa</i>	RM	Un Com	I
164.	1442	Tickell's blue Flycatcher	<i>Muscicapa tickelliae</i>	R	Com	I
165.	1445	Verditer Flycatcher	<i>Muscicapa thalassina</i>	R	Com	I
166.	1446	Nilgiri verditer Flycatcher	<i>Muscicapa albicaudata</i>	R	Com	I
167.	1458	White spotted fantail Flycatcher	<i>Rhipidura albicollis</i>	R	Com	I
168.	1461	Paradise Flycatcher	<i>Terpsiphone paradise</i>	R	Com	I
169.	1465	Black naped blue Flycatcher	<i>Hypothymis azurea</i>	R	Com	I
Sub Family: Sylviinae						
170.	1506	Rufous fronted Wren-Warbler	<i>Prinia buchanani</i>	RM	Com	I
171.	1517	Ashy Wren-Warbler	<i>Prinia socialis</i>	M	Ra	I
172.	1521	Jungle Wren-Warbler	<i>Prinia sylvatica</i>	M	Ra	I
173.	1538	Tailor bird	<i>Orthotomus sutorius</i>	RM	V Com	I
174.	1548	Striated marsh Warbler	<i>Megalurus palustris</i>	R	Un Com	I
175.	1562	Booted Warbler	<i>Hippolais caligata</i>	R	Un Com	I
176.	1575	Common Chiffchaff	<i>Phylloscopus collybita</i>	R	Un Com	I
177.	1601	Large billed leaf Warbler	<i>Phylloscopus occipitalis</i>	R	Un Com	I
Sub Family: Turdinae						
178.	1650	Blue Chat	<i>Erithacus brunneus</i>	R	V Com	I
179.	1661	Magpie Robin	<i>Copsychus saularis</i>	RM	V Com	I
180.	1665	Shama	<i>Copsychus malabaricus</i>	R	Un Com	I
181.	1692	Brown rock Chat	<i>Cercomela fusca</i>	RM	Un Com	I
182.	1700	Pied bush Chat	<i>Saxicola caprata</i>	R	Com	I

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183.	1704	Jerdon's bush Chat	<i>Saxicola jerdoni</i>	R	Com	I
184.	1720	Indian Robin	<i>Saxicoloides fulicata</i>	R	V Com	I
185.	1726	Blue Rock Thrush	<i>Monticola solitarius</i>	R	Com	I
186.	1733	Orange headed Thrush	<i>Zoothera citrine cyanotus</i>	R	Com	I
187.	1751	Black Bird	<i>Turdus merula</i>	RM	Com	I
41. Paridae						
188.	1794	Grey Tit	<i>Parus major</i>	RM	Com	I
189.	1798	White winged Black Tit	<i>Parus nuchalis</i>	R	Com	I
190.	1810	Yellow cheeked Tit	<i>Parus xanthogenys</i>	R	Com	I
42. Sittidae						
191.	1830	Chestnut bellied Nuthatch	<i>Sitta castanea</i>	R	Com	I
43. Motacillidae						
192.	1859	Paddy field Pipit	<i>Anthus rufulus</i>	R	L Com	I
193.	1874	Forest Wagtail	<i>Motacilla indica</i>	R	L Com	I
194.	1876	Yellow Wagtail	<i>Motacilla flava</i>	R	Lcom	I
195.	1885	White Wagtail	<i>Motacilla alba</i>	R	Com	I
196.	1891	Large pied Wagtail	<i>Motacilla maderaspatensis</i>	R	Lcom	I
44. Dicaeidae						
197.	1899	Tickell's Flowerpecker	<i>Dicaeum erythrorhynchos</i>	R	L Com	F,N,I
198.	1902	Plain coloured Flowerpecker	<i>Dicaeum concolor</i>	R	L Com	F,N,I
199.	1905	Fire breasted Flowerpecker	<i>Dicaeum ignipectus</i>	R	L Com	F,N,I
45. Nectariniidae						
200.	1908	Purple rumped Sunbird	<i>Nectarinia zeylonica</i>	R	Com	F,N,I
201.	1909	Small Sunbird	<i>Nectarinia minima</i>	R	Com	F,N,I
202.	1912	Maroon breasted Sunbird	<i>Nectarinia lotenia</i>	R	Com	F,N,I
203.	1917	Purple Sunbird	<i>Nectarinia asiatica</i>	R	Com	F,N,I
204.	1931	Little Spider hunter	<i>Arachnothera longirostra</i>	R	L Com	I
46. Zosteropidae						
205.	1933	White Eye	<i>Zosterops palpebrosus</i>	RM	L Com	F,N
47. Ploceidae						
Sub Family : Passerinae						
206.	1938	House Sparrow	<i>Passer domesticus</i>	R	Com	G,I
Sub Family: Ploceinae						
207.	1957	Baya weaverbird	<i>Ploceus philippinus</i>	R	Com	G
208.	1961	Black breasted weaver bird	<i>Ploceus benghalensis</i>	R	Com	G
209.	1962	Streaked weaverbird	<i>Ploceus manyar</i>	R	L Com	G
Sub Family: Estrildinae						
210.	1964	Red Munia	<i>Estrilda amandava</i>	R	Com	G
211.	1965	Green Munia	<i>Estrilda formosa</i>	R	Un Com	G
212.	1966	White throated Munia	<i>Lonchura malabarica</i>	R	Com	G
213.	1968	White backed Munia	<i>Lonchura striata</i>	R	Com	G
214.	1974	Spotted Munia	<i>Lonchura punctulata</i>	R	Com	G
215.	1978	Black headed Munia	<i>Lonchura malacca</i>	R	Com	G

48. Fringillidae						
Sub Family: Carduelinae						
216.	2013	Rose Finch	<i>Carpodacus erythrinus</i>	RM	Com	F,G,N
Sub Family: Emberizinae						
217.	2057	House Striolated	<i>Emberiza striolata</i>	R	L Com	G
218.	2060	Crested Bunting	<i>Emberiza lathami</i>	R	L Com	G

Synopsis numbers as followed by Pittie and Robertson (1993), Ali and Ripley (1983) and Ali (1996); Common and scientific names by Manakadan and Pittie (2001) and Abundance Status by Kumar *et al.* (2003).

Food habit of the birds: I= Insectivore, P= Piscivore, C= Carnivore, N= Nectivore, F= Frugivore, O= Omnivore, G= Granivore, I/G= Insectivore with Grainivore

Status of the birds: WM= Winter migrant, Com= Common, R/LM= Resident with local movements, L Com= Locally common, R= Resident, Un Com= Un common, M= Migratory, V Com= Very common, R/LM/SM= Resident with local as well as summer movements. RS¹= Residential status, AS²= Abundance status, FH³= Food habit.